


# Oregon OHA - Drinking Water Services - Turbidity Water Quality Data

Thurston Well 2

System Name: Springfield Utility Board ID #: 4100837 WTP: WTP-B Month / Year: 12 / 2023

Day	Well #2 [On/Off]	12 AM [NTU]	4 AM [NTU]	8 AM [NTU]	12 PM [NTU]	4 PM [NTU]	8 PM [NTU]	Highest Reading of the Day [NTU]	Peak Hourly Demand Flow [GPM]
1	On	0.071	0.071	0.071	0.073	0.073	0.073	0.094	970
2	On	0.073	0.073	0.073	0.097	0.078	0.078	0.097	970
3	On	0.078	0.080	0.088	0.100	0.147	0.349	0.477	980
4	On	0.477	0.536	0.543	0.516	0.374	0.351	0.729	986
5	On	0.402	0.567	0.286	0.159	0.159	0.159	0.681	989
6	On	0.155	0.144	0.123	0.135	0.084	0.084	0.155	962
7	On	0.084	0.084	0.079	0.096	0.068	0.069	0.105	970
8	On	0.069	0.072	0.072	0.067	0.067	0.071	0.099	972
9	On	0.074	0.077	0.077	0.077	0.067	0.067	0.103	972
10	On	0.067	0.064	0.064	0.064	0.064	0.064	0.088	968
11	On	0.064	0.066	0.077	0.087	0.093	0.097	0.098	967
12	On	0.098	0.098	0.092	0.073	0.073	0.073	0.126	965
13	On	0.073	0.073	0.068	0.061	0.061	0.061	0.101	973
14	On	0.061	0.061	0.061	0.054	0.058	0.057	0.086	957
15	On	0.057	0.057	0.057	0.056	0.052	0.052	0.074	985
16	On	0.052	0.052	0.052	0.052	0.052	0.052	0.052	982
17	On	0.052	0.052	0.052	0.052	0.052	0.052	0.052	978
18	On	0.052	0.048	0.044	0.048	0.048	0.048	0.082	969
19	On	0.048	0.048	0.042	0.038	0.046	0.046	0.072	970
20	On	0.046	0.046	0.044	0.047	0.043	0.043	0.065	957
21	On	0.043	0.043	0.042	0.049	0.042	0.042	0.064	954
22	On	0.040	0.041	0.041	0.039	0.039	0.039	0.055	961
23	On	0.039	0.039	0.039	0.046	0.039	0.039	0.049	967
24	On	0.039	0.038	0.038	0.038	0.038	0.037	0.050	958
25	On	0.037	0.034	0.032	0.047	0.037	0.037	0.055	947
26	On	0.036	0.034	0.032	0.030	0.036	0.036	0.053	964
27	On	0.036	0.036	0.036	0.033	0.036	0.036	0.049	958
28	On	0.036	0.036	0.036	0.036	0.036	0.036	0.045	971
29	On	0.035	0.036	0.036	0.035	0.035	0.035	0.036	973
30	On	0.035	0.035	0.034	0.035	0.035	0.035	0.052	966
31	On	0.034	0.032	0.030	0.035	0.035	0.035	0.055	964


<b>Natural Filtration</b>		<b>Monthly UV Summary</b>	
95% of turbidity readings ≤ 1 NTU? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No All turbidity readings < 5 NTU? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Is the volume of off-spec water produced less than 5% in the month? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Printed Name: Dave Embleton	
		Signature: 	Date: 1/8/2024
		Phone #: (541) 726-2396	Cert #: D6098/T6098
Is there a 4-log virus inactivation provided with <input checked="" type="checkbox"/> Chlorine; <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			CT <sub>viral</sub> Required = 7.20 Achieved = 29.06

Notes: \* Thurston Well 2 Off

# Oregon OHA - Drinking Water Services - UV Surface Water Quality Data

Thurston Well 2

System Name: Springfield Utility Board ID #: 4100837 WTP: WTP-B Month / Year: 12 / 2023

Minimum UVT [%] during month: N/A				Duty Sensor variation from reference sensor: 13.10%				
Minimum Validated UVT: 96.4%			Min. UV Dose achieved/intended this month: 22.6 / 15 mJ/cm <sup>2</sup>					
Day	Peak Hourly Demand Flow [gpm/unit]	Well #2 [On/Off]	Minimum Intensity [mW/cm <sup>2</sup> ]	Minimum Dose [mJ/cm <sup>2</sup> ]	All Lamps On? [Yes/No]	Daily Water Produced {A} [gal]	Water Outside Validated Conditions {B} [gal]	Cumulative Off-Spec Water Produced ({B}/{A})*100 [%]
1	970	On	6.6	22.7	Yes	965,000	0	
2	970	On	6.7	24.0	Yes	964,000	0	
3	980	On	26.7	24.6	Yes	1,398,000	0	
4	986	On	6.2	23.7	Yes	1,150,000	0	
5	989	On	27.4	24.6	Yes	963,000	0	
6	962	On	6.3	23.1	Yes	772,000	0	
7	970	On	6.0	23.7	Yes	861,000	0	
8	972	On	5.9	23.8	Yes	975,000	0	
9	972	On	5.9	23.7	Yes	837,000	0	
10	968	On	27.7	23.7	Yes	1,227,000	0	
11	967	On	5.9	23.0	Yes	1,053,000	0	
12	965	On	27.5	23.8	Yes	919,000	0	
13	973	On	5.9	23.6	Yes	816,000	0	
14	957	On	6.4	24.2	Yes	656,000	0	
15	985	On	6.3	23.6	Yes	926,000	0	
16	982	On	21.6	23.0	Yes	1,406,000	0	
17	978	On	6.2	22.6	Yes	1,204,000	0	
18	969	On	6.7	22.7	Yes	700,000	0	
19	970	On	27.2	24.4	Yes	709,000	0	
20	957	On	6.4	23.3	Yes	819,000	0	
21	954	On	6.1	23.7	Yes	591,000	0	
22	961	On	5.9	23.1	Yes	817,000	0	
23	967	On	6.0	23.6	Yes	858,000	0	
24	958	On	6.1	23.7	Yes	832,000	0	
25	947	On	6.2	23.2	Yes	553,000	0	
26	964	On	28.2	24.2	Yes	629,000	0	
27	958	On	6.2	23.8	Yes	749,000	0	
28	971	On	28.0	25.0	Yes	1,293,000	0	
29	973	On	6.6	23.6	Yes	1,377,000	0	
30	966	On	6.6	23.7	Yes	663,000	0	
31	964	On	6.7	23.7	Yes	741,000	0	
<b>Monthly Cumulative % Off-Spec Water Produced</b>								0.00%
Print Name: Dave Embleton			Signature: 			Cert #: D6098/T6098		Date: 1/8/2024

Notes: \* Thurston Well 2 Off